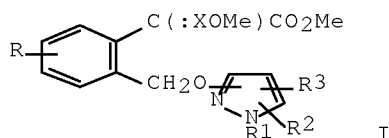


TITLE: Preparation of pyrazole containing propenoic ester derivatives as agrochemical fungicides
 INVENTOR(S): Hwang, Ki Jun; Kim, Sung Soo
 PATENT ASSIGNEE(S): Korea Research Institute of Chemical Technology, S. Korea
 SOURCE: PCT Int. Appl., 37 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9400436	A1	19940106	WO 1993-KR52	19930623 <--
W: AT, AU, BB, BG, BR, CA, CH, CZ, DE, DK, ES, FI, GB, HU, JP, KP, LK, LU, MG, MN, MW, NL, NO, NZ, PL, PT, RO, RU, SD, SE, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
KR 9506150	B1	19950609	KR 1992-11150	19920625 <--
AU 9454187	A	19940124	AU 1994-54187	19930623 <--
PRIORITY APPLN. INFO.:			KR 1992-11150	A 19920625
			WO 1993-KR52	A 19930623
OTHER SOURCE(S):		MARPAT 120:245091		
GI				



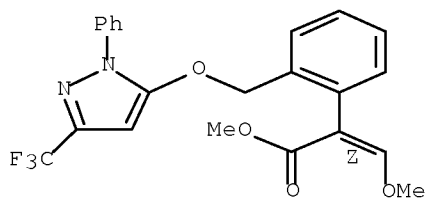
AB Title compds. I (R = H, one or more halo, Me, alkyl, alkoxy, O2N, Ph; R1 = Me, alkyl, alkenyl, alkynyl, PhCH2, aryl, (substituted), pyridyl; R2, R3 = H, halo, F3C, haloalkyl; X = C, N) are prepared. To Ph3P+CH2OMe Br- in THF was added EtCHMeLi in cyclohexane followed by Me 2-[2-[[1-methyl-5-(trifluoromethyl)-3-pyrazolyl]methyl]phenyl]glyoxylate in THF to give I (R = R2 = H, R1 = Me. R3 = F3C, X = trans-CH) which showed EC50 against wheat leaf rust and barley powdery mildew of <0.4 and <0.08 ppm, resp.

IT 154315-23-8P 154315-24-9P 154315-25-0P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as agrochem. fungicide)

RN 154315-23-8 ZCAPLUS

CN Benzeneacetic acid, α -(methoxymethylene)-2-[[[1-phenyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]methyl]-, methyl ester, (Z)- (9CI) (CA INDEX NAME)

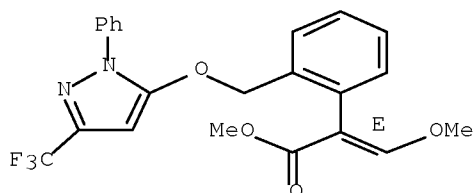
Double bond geometry as shown.



RN 154315-24-9 ZCAPLUS

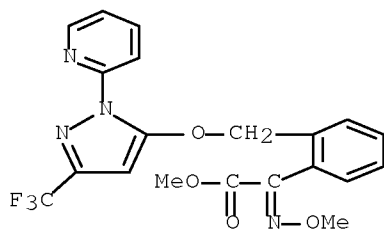
CN Benzeneacetic acid, α -(methoxymethylene)-2-[[[1-phenyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]methyl]-, methyl ester, (E)- (9CI)
(CA INDEX NAME)

Double bond geometry as shown.



RN 154315-25-0 ZCAPLUS

CN Benzeneacetic acid, α -(methoxyimino)-2-[[[1-(2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)

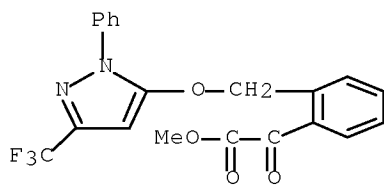


IT 154315-40-9 154315-41-0

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparation of agrochem. fungicides)

RN 154315-40-9 ZCAPLUS

CN Benzeneacetic acid, α -oxo-2-[[[1-phenyl-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 154315-41-0 ZCAPLUS

CN Benzeneacetic acid, α -oxo-2-[[[1-(2-pyridinyl)-3-(trifluoromethyl)-1H-pyrazol-5-yl]oxy]methyl]-, methyl ester (9CI) (CA INDEX NAME)

